

Notice of Allowability

Application No.

10/081,964

Examiner

Steven B. Theriault

Applicant(s)

SUOMELA ET AL.

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/04/2005.
2. ☒ The allowed claim(s) is/are 1-5, 7-15, 17-28, and 30-38.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

BA HUYNH
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Geza Ziegler on 10/12/2005.

In the Claims, please amend the claims as attached: (The application has been amended by applicant and sent to examiner via fax).

Allowable Subject Matter

1. Claims 1-5, 7-15, 17-28, and 30-38 are allowed.
2. The following is an examiner's statement of reasons for allowance

Claims 1, 14, and 24:

The closest prior art is Amro et al. (U.S. Patent No. 5,515,486) which teaches a method and apparatus for displaying a three dimensional multi-axis polyhedron that displays content on the sides or facets of the polyhedron. The polyhedron can be manipulated by the user by selecting the information on each face or spun by selecting the white area and indicating a direction of movement of the polyhedron. A polyhedron is used to allow for displaying more than one panel simultaneously to a user for the purpose of utilizing the display area more efficiently and providing easier navigation and for grouping like applications in the same area for the user. Individual panels can be spun and the entire polyhedron can be tilted on its axis to allow for more viewing area. Amro teaches that the preferred embodiment is that one central panel is active at a time but teaches that other panels could be active, which could allow for all of the panels to be

active. Amro teaches that the user can rotate the object to view other areas of content in which the currently displayed panels are rotated out of view of the user as new panels are presented.

*The prior art fails to disclose a 3D polyhedron interface where **all visible facets** of the polyhedron that contain information are visible to the user and are able to be rotated. Rotational movement about the mobile device is converted by a movement sensor and converts axis movements into interface movement commands to direct the various facets containing information to rotate and align a desired interface option for display to the user. Further, the prior art fails to teach where the number of facets is determined by the number of pieces of information that is going to be displayed as the prior art teaches a number of panels is determined by a configuration file but the panels contain a plurality of pieces of information that do not direct the number of panels to be displayed on the interface.*

Claims 2-13, 15-23 and 25-35

These claims are dependent upon Claims 1, 14 and 24 and are thus allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

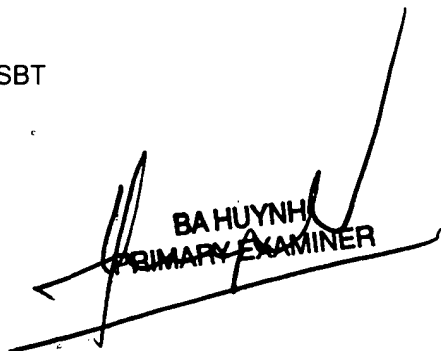
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven B. Theriault whose telephone number is (571) 272-5867. The examiner can normally be reached on M-F 7:30 - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SBT


BA HUYNH
PRIMARY EXAMINER